

Claims

1.-10. (canceled)

11. (new) A method for producing and updating a management system of a telecommunication network element, comprising:

creating a network element agent and a network element manager by a shared generating mechanism from a management interface specification;

updating the management system by storing the created network element agent and network element manager;

exchanging a message between the network element and the network element manager for controlling the network element by the network element manager; and

ensuring that the network element supports the message in accordance with the management interface specification by the network element agent, the network element agent stored in a network element management unit of the network element.

12. (new) The method according to claim 11, wherein the network element manager is stored in a storage unit of a computer.

13. (new) The method according to claim 11, wherein the network element manager is stored in the network element management unit.

14. (new) The method according to claim 11, wherein the network element manager is stored on a central storage unit of the telecommunication network.

15. (new) The method according to claim 11, wherein the network element manager is stored as a JAVA applet.

16. (new) The method according to claim 15, wherein the network element manager is executed in a web browser.

17. (new) The method according to claim 13, wherein the network element manager is loaded from the network element into a computer and the network element subsequently managed remotely from the network element by using the loaded manager.

18. (new) The method according to claim 13, wherein the network element manager is loaded from central storage unit into a user computer and the network element subsequently managed remotely from the network element by using the loaded manager.

19. (new) The method according to claim 11, wherein an HTML management interface specification in the hypertext markup language format is generated by the shared generating mechanism, and is stored with the manager.

20. (new) A production and updating management device, comprising:  
a mechanism for creating a network element agent and a network element manager from a management interface specification;  
a management system updated by storing the created network element agent and network element manager;  
a message that controls the network element by the network element manager exchanged between a telecommunication network element and the network element manager; the network element agent ensuring that the network element supports the message in accordance with the management interface specification; and  
a network element management unit of the network element for storing the network element agent.

21. (new) The device according to claim 20, wherein the network element manager is stored in a storage unit of a computer.

22. (new) The device according to claim 20, wherein the network element manager is stored in the network element management unit.

23. (new) The device according to claim 20, wherein the network element manager is stored on a central storage unit of the telecommunication network.

24. (new) The device according to claim 20, wherein the network element manager is stored as a JAVA applet.

25. (new) The device according to claim 20, wherein the network element manager is executed in a web browser.

26. (new) The device according to claim 22, wherein the network element manager is loaded from the network element into a computer and the network element subsequently managed remotely from the network element by using the loaded manager.

27. (new) The device according to claim 22, wherein the network element manager is loaded from central storage unit into a user computer and the network element subsequently managed remotely from the network element by using the loaded manager.

28. (new) The device according to claim 20, wherein an HTML management interface specification in the hypertext markup language format is generated by the shared generating mechanism, and is stored with the manager.

29. (new) A network element manager for controlling a telecommunication network element, comprising:

- a control message exchanged between the network element and the network element manager;

- a network element agent operatively connected to the manager; and

- a management interface specification in a hypertext markup language format generated by a shared generating mechanism.

30. (new) The manager according to claim 29, wherein the network element manager is loaded from the network element into a computer and the network element subsequently managed remotely from the network element by using the loaded manager.

31. (new) The manager according to claim 29, wherein the network element manager is loaded from central storage unit into a user computer and the network element subsequently managed remotely from the network element by using the loaded manager.